



**S1 Figure. Immunoblots of lysates to evaluate BTK autophosphorylation inhibitory effects of tirabrutinib in the TMD8 and U-2932 cell lines.**

(A) TMD8 and (B) U-2932 cells were treated with vehicle or different concentrations of tirabrutinib and incubated for 4 h at 37°C (5% CO<sub>2</sub>/95% air). Autophosphorylated BTK (p-BTK) (upper) and total BTK (BTK) (lower) proteins were detected by western blot analysis. TMD8 cells were unstimulated (–) or stimulated using H<sub>2</sub>O<sub>2</sub> and used as a marker for the detection of p-BTK and BTK.